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 Department Chairs/Program Leads: Please press the edit symbol in the right-hand corner to update. Below, the text in bold corresponds both to the name of the box when editing this page and also to the first-column on the APRU worksheet. If you have questions, please contact: papemary@fhda.edu 

▼  **Dept - (BHES) Health Technologies**

**2018-19 Annual Program Review Update Submitted By:**

Maureen Miramontes

**APRU Complete for:** 2018-19

**Program Mission Statement:** The mission of the DeAnza College Health Technologies Program is excite, motivate, and to provide many students with quality academic and practical training in the various careers that are offered in the field of Health Technologies. The department hopes to help students to achieve a valuable place in our local and global community. We serve a widely diverse student population including career oriented students, lifelong learners, and those who choose our program to enrich their own knowledge base.

**I.A.1 What is the Primary Focus of Your Program?:**

Career/Technical

**I.A.2 Choose a Secondary Focus of Your Program?:** Transfer

**I.B.1 Number Certificates of Achievement Awarded:** 72

**I.B.2 Number Certif of Achievement-Advanced Awarded:** 0

**I.B.3 #ADTs (Associate Degrees for Transfer) Awarded:**

**I.B.4 # AA and/or AS Degrees Awarded:** 12

**I.B.5 Strategies to Increase Awards :** I have begun to require the students upon completion of their externships to come to my office and fill out the application to petition for their certificates. Since they have to come to my office to turn in their time cards and evaluations from the externship site, they can fill out the form as the same time. I then personally deliver it to admissions. This avoids the student from forgetting to complete this part and increase my departments awards.

**I.C.1. CTE Programs: Review of Perkins Core Indicator and SWP**

**Outcomes Metrics:** In reviewing the Perkins Core Indicators, the

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areas that we identified in which my program needs to work on is the Nontraditional participants which are the lack of males. The department now has a new mentor. He is a male and helps in the phlebotomy program. I am hoping that with this new intervention in place that will draw more of the male population to the department and close this particular equity gap.

**I.C.2 CTE Programs: Labor Market Demand and Industry Trends**

**Trends** :: The California Employment Development Department (EDD) collects data about the state's workforce. These data include information about the number of people employed in the field, job outlook, and wage information. The California EDD predicts for the period 2014-2024 the number of openings for medical assistants to increase by nearly 10.26%. In California, an average of 1774 new job openings per year is expected for Medical Assistants because of the increase in the number of group practices, clinics, and other healthcare facilities that need greater numbers of support personnel that is trained in both administrative and clinical duties. Projected phlebotomists employment is a growth of 12.20% increase.

The latest advisory board recommendations included preparing our HTEC graduates to work in the medical environment by continuing to improving on their soft skills while still mastering their clinical skills. The students are also being encouraged to be proficient in the electronic medical record system.

Future plans was to change one of HTEC's certificate's of Achievement to Medical Transcribing/Editing. Which has taken place. There is an increase need for a new title of Medical Scribe that branches from the transcriptionist field. This certificate is being used the the Emergency rooms and physicians offices. Medical Transcriptionists has a projected increased by 9.1 in 2014-2024.

Advisory Board has also recommend looking into a name change for our medical receptionist. Some location call them Patient Service Representative's. I will check job postings at several different locations to see what is used more.

**I.D.1 Academic Services & Learning Resources: #Faculty served:**

**I.D.2 Academic Services & Learning Resources: #Students served:**

**I.D.3 Academic Services & Learning Resources: #Staff Served:**

**I.E.1 Full time faculty (FTEF): 3.7**

**I.E.2 #Student Employees:**

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**I.E.3 Ratio % of Full -time Faculty Compared to % Part-time Faculty Teaching:** 32.4%

**I.E.4 # Staff Employees:**

**I.E.4 #Staff Employees:** 0.5

**I.E.5 Changes in Employees/Resources:** We now have a 1/2 Allied Health Specialist position filled. This position has allowed more time for our full time clinical instructor to teach the current new skills being used in the medical world of today. Due to the current funding, we have 6 TEA's. Some are peer tutors, allied health specialist, and certified phlebotomy technicians. The department has noticed the success in students scores because of extra tutoring that the students are receiving in class. We have been able to establish a study session for our Medical Terminology students. They test weekly. We began with 14 of 40 students failing their exams to 3 of 38 presently.

**II.A Enrollment Trends:** Slight decrease is due to the cancellation of class sessions before the quarter starts and the economy being good. The current political issues may be affecting enrollment as well.

**II.B Overall Success Rate:** Overall success rate in the last 3 years has remains at 80% even though the overall number of students have decreased.

**II.C Changes Imposed by Internal/External Regulations:** HTEC began to encourage students in the phlebotomy program which is in high demand, to take our stand alone labs 101L and 101M as they wait for externship placement. It has build confidence and readiness for externing in the real world.

**III.A.1 Growth and Decline of Targeted Student Populations: 2017-18 Enrollment:** In the student targeted populations over the past 3 years, there has been a slight decrease in the Filipino and Pacific Islander. In the African and Latinos population has remained the same.

**III.A.2 Targeted Student Populations: Growth and Decline:** For our African American students that enrollment began with 138 to 51. Filipinx trend started at 215 to 124 Enrollment decreased toward the end. It was up the middle of these 5 years. The same was for the other two trends they were up in the middle of these 5 years but dropped. Latinx began 619 to 479. Pacific Islander 9 to 7.

**III.B.1 Closing the Student Equity Gap: Success Rates:** Success rates for African American students is 67%, Latinx 68%, Filipinx 85%, Pacific Islanders 29%, Asian 85%, and White students is 85%.

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Overall our success rate is very good!

### III.B.2 Closing the Student Equity Gap: Withdrawal Rates:

Withdraw rates for African Americans for 2017-18 was 22%, Latinx 15%, Filipinx 10%, Pacific Islander 57%, Asian 8%, and White also 8%.

### III.B.3 Closing the Student Equity Gap: 2017-18 Gap:

Success gap reported from the Targeted to the Non Targeted for the year 2013-14 was 14%, 2014-15 was 16%, 2015-16 was 13%, 2016-17 was 12%, 2017-18 was 15%. Filipinx which is one of the Targeted groups has a 73% success over the last several years just like the non Targeted group.

### III.C Action Plan for Targeted Group(s):

Activities and strategies plan is. 1. to grow the study sessions for more than just the two classes that the department was the sessions for-responsible contact Allied Health Specialist. 2. provide more study materials for students to prepare prior to exam, each instructor to be responsible.

### III.D Departmental Equity Planning and Progress:

Despite only one full time faculty, the department with the help of advisory committee input has been working on many strategies to improve student success, retention and to decrease the equity gap. We are offering tutoring sessions in our face to face Medical Terminology course. We have seen an increase in test scores. We began with 14 out of 40 students failing their first exams to currently 2 out of 38 failing. Coaching and tutoring has been able to take place because of the departments TEA's and Allied Health Specialists. Because of the success with Medical Terminology, we have also began study sessions in our Clinical Procedures class. No results as of yet.

The department has purchased with the help of equipment funding new exam Pediatric beds. The students can now practice weighing and measuring our pretend babies, as in the real world. With the help of our Certified Phlebotomy tutors we have improved the safety of our phlebotomy program, avoiding needlesticks.

### III.E Assistance Needed to close Equity Gap: Yes

### III.F Integrated Plan goals: current student equity data and action plan:

**IV.A Cycle 2 PLOAC Summary (since June 30, 2014):** 100%

**IV.B Cycle 2 SLOAC Summary (since June 30, 2014):** 99%

**V.A Budget Trends:** As a result of funding we are able to have our

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Professional Experts assist in the classroom with practical skill for clinical procedures such as phlebotomy, EKG's, injections, basic patient care, sterile technique, finger sticks-this has improved the departments student success in these areas. Prior to this assistance many students were repeating the phlebotomy labs class. Therefore the department created another lab class that the students could take for more assistance. This is the most popular class for enrollment plus it feeds into the MLT program. Extra hands from our Certified Phlebotomists are needed due to the delicate nature of the phlebotomy technique and for safety reasons as well.

**V.B Funding Impact on Enrollment Trends:** As a result of Perkins and SWP funding for Professional Experts to assist in the classroom with practical skill for clinical procedures such as phlebotomy, EKG's, injections, basic patient care, sterile technique, finger sticks-this has affected student success in these areas. We have been able to purchase supplies that are being used in clinics to allow the students the ability to learn how they used prior to going out on their externship.

**V.C.1 Faculty Position(s) Needed:** Growth

**V.C.2 Justification for Faculty Position(s):** The one FT faculty in addition to teaching a full time load, has to coordinate the collection and input of all the SLOs, PLOs, supervised assessments, conduct information meetings, schedule classes, revise and prepare new curriculum, prepare current program materials, order supplies,etc.

**V.D.1 Staff Position(s) Needed:** Growth position

**V.D.2 Justification for Staff Position(s)::** HTEC has a 50% staff position but request it to be 100%, therefore a FT classified staff for lab support. We perform invasive procedures and do not have the lab support to maintain a safe environment for our students. We are offering more lab skills for example, strep testing,, ear lavages, and wound care. New techniques like knowledge of the urine analyzers this has been recommended by our Advisory Board members.

One FT classified for administrative and clinical duties for Health Tech.

**V.E.1 Equipment Requests:** Over \$1,000

**V.E.2 Equipment Title, Description, and Quantity:** HTEC department is requesting instructional equipment of 6 telescopes, new small refrigerator, 1 EKG machines, new anatomy educational

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models, to use for teaching Medical Terminology. 12 HgbAic analyzer.

A laptop is needed for my new 50% Allied Health Specialist. She is assisting me with projects that will require the use of an extra computer so that I can take mine into the classroom to lecture. Currently she brings her own. The skills lab SLO's reinforces that we are teaching many new skills that are being taught in the medical world today. This items would help in preparing our students to be employed once they complete their externships.

4 Certified Phlebotomy tutors to assist the instructor in the Phlebotomy program, 4 Allied Health Specialist/TEA, peer tutoring to assist with the skills in the EKG and Medical Assistant

**V.E.3 Equipment Justification:** Students will use this equipment. Failure to procure equipment will affect our ability to effectively address the equity gap and increase the success rate . All equipment has life expectancy of 10 years or more. This request will meet the Advisory Board, college mission and strategies goals by allowing students to demonstrate the knowledge and skills through critical thinking to be successful graduates in the Health Tech Program. Health professionals are expected to know how to maneuver around the new equipment found in the hospitals, clinics, and doctor's office, without out the requested supplies and equipment this would not be possible.

**V.F.1 Facility Request:**

**V.F.2 Facility Justification:**

**V.G Equity Planning and Support:** The department needs a full time Allied Health Specialist. We currently have a part time position and would like it to be full time. There is more administrative work that needs to be completed with limited time to do this because our only full timer is teaching or in meetings. HTEC needs an individual to find have new clinical sites, marketing for our department by attending career fairs at other schools which will bring up the enrollment, externship placements, to name a few that the Allied Health Specialist can assist with.

**V.H.1 Other Needed Resources:** Tutors to work with the students in courses like medical terminology, pharmacology, insurance and coding, and the Clinical Procedure lab class. Professional certified phlebotomists and medical lab assistants to be a support in all the skills labs.

We began a study session lead by our peer tutor/TEA. We have

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seen an increase of 14 students failing their exam at the begin of the quarter to 2 at the end of the quarter.

**V.H.2 Other Needed Resources Justification:** The growth in equity gap shows that students need additional help outside the classroom to master the skills required to be successful.

**V.J. "B" Budget Augmentation:** With the current enrollment in the Health Technology department we need an augmentation to the B budget.

This would support students and faculty in the classroom. We would be able to purchase supplies and equipment which would allow students to gain needed clinical skills that are being requested by our Advisory Board meeting. The medical field is changing all the time therefore we need to keep current in our courses. This request will meet the college mission and strategies goals by allowing students to demonstrate the knowledge and skills through critical thinking to be successful graduates in the Health Tech Program and represent DeAnza as competent medical personnel.

We would request that our B budget be increased by \$2000.00.

**V.K.1 Staff Development Needs:** Our faculty needs to attend workshops, conferences, etc. to stay current in the field. They also need to be teaching with the current equipment and supplies that are found in the medical world of today.

Failure to attend workshops and failure to demonstrate the use of current equipment will not enhance the students learning experience in the classroom. This request will meet the college mission and strategies goals by allowing students to demonstrate the knowledge and skills through critical thinking to be successful graduates in the Health Tech Program

**V.K.2 Staff Development Needs Justification:** CTE Advisory Board yearly has recommended and advises the department as to the changes in the medical field.They are expecting our instructors to relay the current information to our students. They expect new equipment, textbooks, procedures , knowledge to assist the students in mastering their skills that are required to be successful and a member of the growing health team.

Therefore our program request staff development funds for our phlebotomy instructor since this is our more requested program.

**V.L Closing the Loop:** We keep track of the number of students that have been employed. Assessing the test results during our practicals with the up to date equipment. This will help the students better understand how certain procedures actually function and score well on with their practicals . Keep track of

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those that past the national and state exams. Which has been going up every year.

The department will reassess the numbers in certificates and awards. Currently the number has gone up substantially, this is stating that the resources that we received has prepared our students for employment.

**Last Updated:** 03/22/2019

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